

[illegible]

FIG. 1A

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GAT TTT AAA GAA GAT GGA AAC ATT CTT GGA CAC AAA TTG GAA TAC AAC	432
Asp Phe Lys Lys Glu Asp Gly Asn Ile Leu Gly His Lys Leu Glu Tyr Asn	
130	
TAT AAC TCA CAC AAT GTA TAC ATC ATG GCA GAC AAA CAA AAG AAT GGA	480
Tyr Asn Ser Ser His Asn Val Val Tyr Ile Met Ala Asp Lys Gln Lys Asn Gly	160
145	
ATC AAA GTT AAC TTC AAA ATT AGA CAC AAC ATT GAA GAT GGA AGC GTT	528
Ile Lys Val Asn Phe Lys Ile Arg His Asn Ile Glu Asp Gly Ser Val	175
165	
CAA CTA GCA GAC CAT TAT CAA CAA AAT ACT CCA ATT GGC GAT GGC CCT	576
Gln Leu Ala Asp His Tyr Gln Gln Asn Thr Pro Ile Gly Asp Gly Pro	185
180	
GTC CTT TTA CCA GAC AAC CAT TAC CTG TCC ACA CAA TCT GCC CTT TCG	526
Val Leu Leu Pro Asp Asn His Tyr Leu Ser Thr Gln Ser Ala Leu Ser	190
195	
AAA GAT CCC AAC GAA AAG AGA GAC CAC ATG GTC CTT CTT GAG TTT GTA	672
Lys Asp Pro Asn Glu Lys Arg Asp His Met Val Leu Leu Glu Phe Val	200
210	
ACA GCT GCT GGG ATT ACA CAT GGC ATG GAT GAA CTA TAC AAA TA	716
Thr Ala Ala Gly Ile Thr His His Gly Met Asp Glu Leu Tyr Lys	235
225	

FIG. 1B

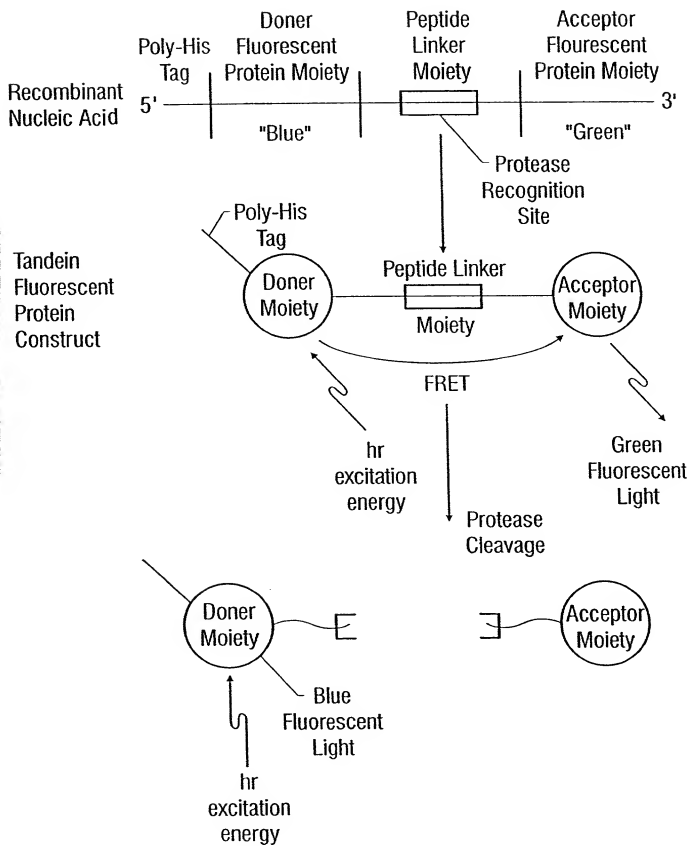


FIG. 2

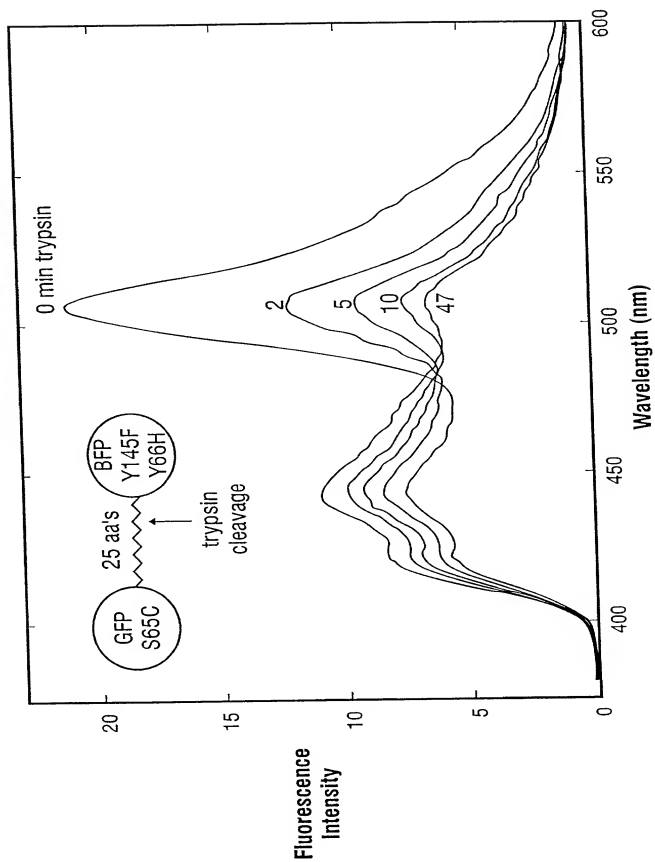


FIG. 3

SPE	P43/S65T1mMEGTA2ulcalp18' ex36	11/28/95
12:34	P43/S65T1mMCA2ulcalp2' ex36	
	P43/S65T1mMCA2ulcalp6' ex368	
	P43/S65T1mMCA2ulcalp15' ex368	

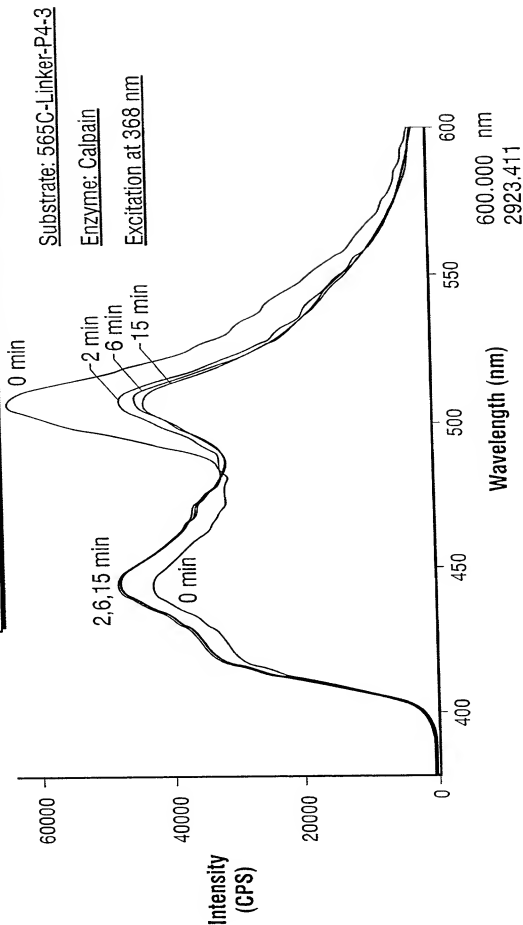


FIG. 4

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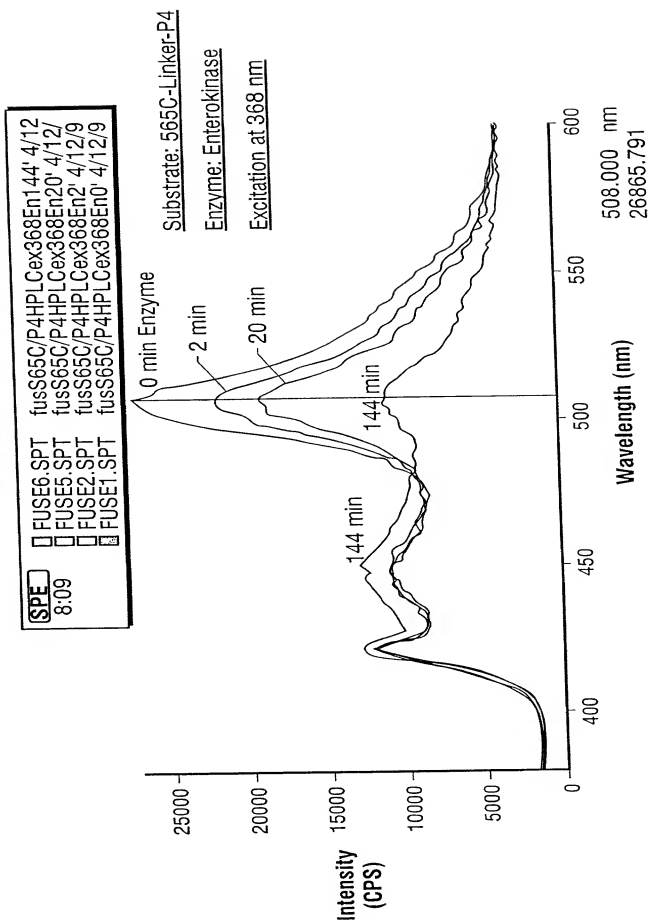


FIG. 5

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SPE
4:31

SW744.SPT	S65T/W7	HPLCex432 + try	6/6/95
SW743.SPT	S65T/W7	HPLCex432	6/6/95

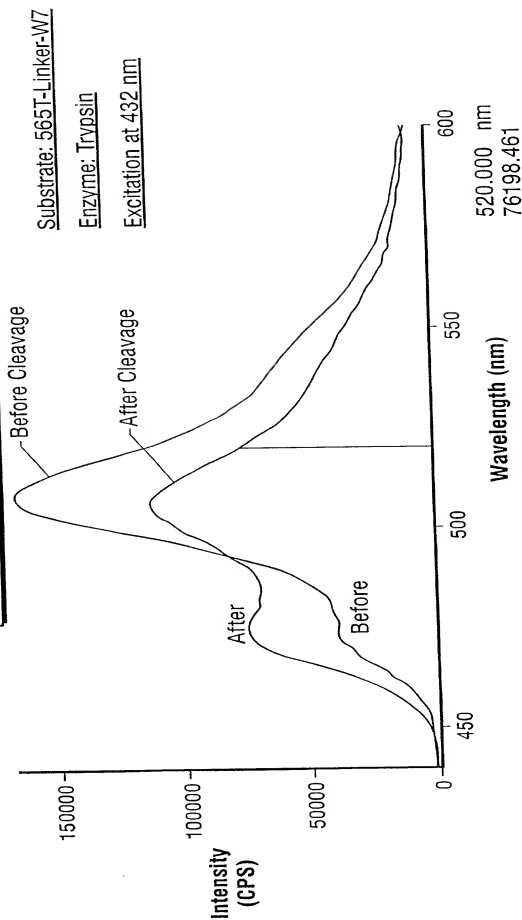


FIG. 6

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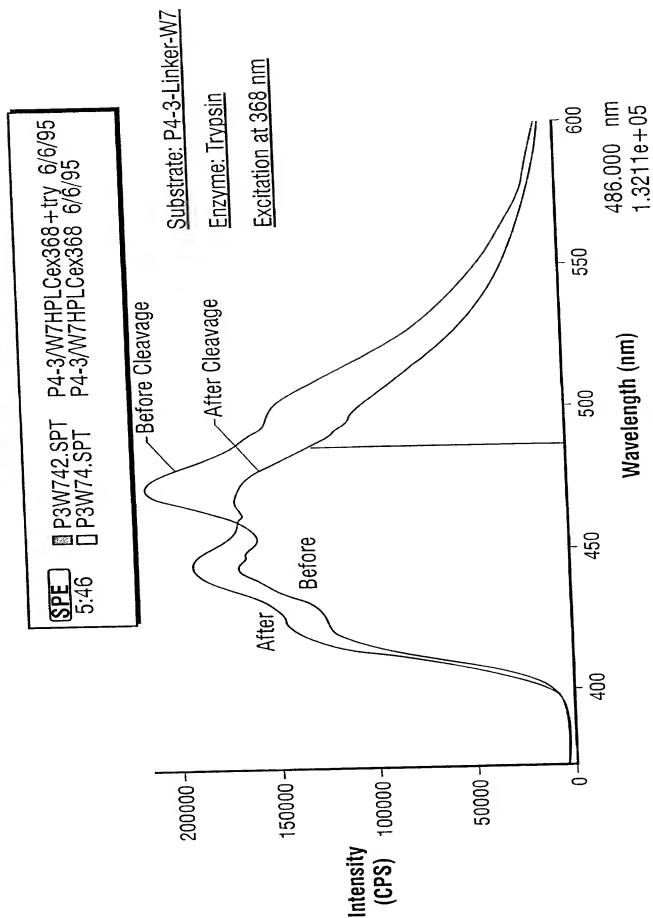


FIG. 7

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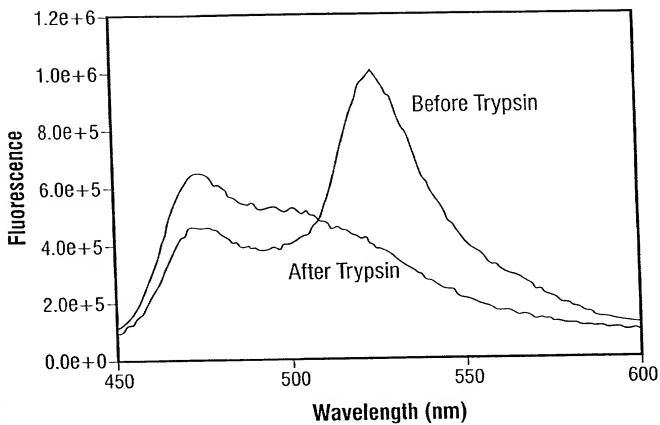


FIG. 8

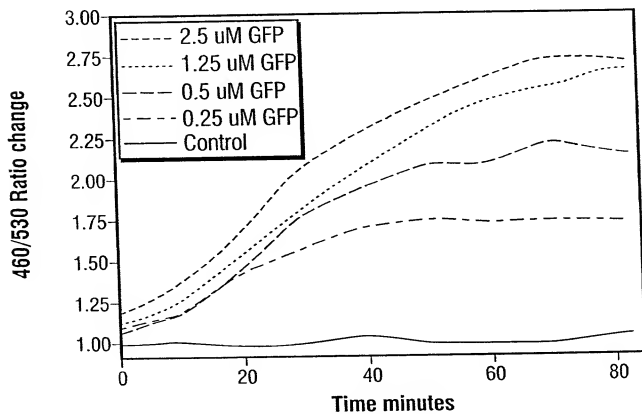


FIG. 9

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PCR to add randomized linker

Fluorescent protein moiety

Hind III

EcoR1

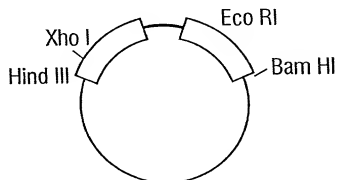
Randomized linker

Eco RI
Hind III

Bam HI

Acceptor
pRSET-A

**Subcloning into expression
cassette containing acceptor
fluorescent protein**



**Transfection and Screening in cells to
identify sequences that are cleaved when
co-expressed with the target enzyme**

FIG. 10

10057505.012502
200510.0505001